

## **System, Software and Methods For Biomarker Identification**

### **Abstract**

5           The invention provides a method, a system and software to screen for, identify  
and validate biomarkers that are predictive of a biological state, such as a cell state  
and/or patient status. The method includes providing at least a first and a second  
independent discovery data set, qualifying each common data element, selecting an  
initial subset of data elements within each data set, and selecting an intersection  
10   subset of data elements from the initial subsets. The data elements in the intersection  
subset are presumptive classifiers or biomarkers.